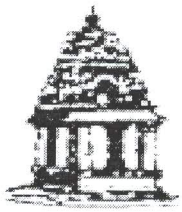


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Construction of Cement Concrete Drains at R.R. School Main Road and Cross Roads in Ward No. 10, (Doddabommasnadra) Vidyaranyapura Sub Division.*

MAYOR GRANT – 2012-13

Estimated Cost: Rs. 30.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of Cement Concrete Drains at R.R. School Main Road and Cross Roads in Ward No. 10, (Doddabommasnadra) Vidyaranyapura Sub Division.**

			Estimate Cost:					3000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 150 / Item No. 19.2/ PWD SR 2012-13**	Cum							
	For CC Drain 2nd Cross RHS		1	111.00	1.00	1.00	111.00		
	LHS		1	111.00	1.00	0.90	99.90		
	For Road Work Subbanna Bedi 2nd Cross		1	100.00	4.00	0.15	60.00		
	Interrior 1st Cross R/S		1	85.00	3.50	0.15	44.63		
	Interrior 1st Cross L/S		1	38.00	3.50	0.15	19.95		
	Interrior 2nd Cross R/S		1	56.00	3.50	0.15	29.40		
	Interrior 2nd Cross L/S		1	42.00	3.55	0.15	22.39		
	Interrior 3nd Cross L/S		1	42.00	3.60	0.15	22.68		
				363.00			**409.95**	81.00	**33206.00**
	Basic Rate	75.00							
	Area Weightage @8%	6.00							
	Total	**81.00**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2012-13**	Cum							
	For CC Drain 2nd Cross RHS		1	111.00	0.90	0.15	14.99		
	LHS		1	111.00	0.90	0.15	14.99		
	For Road Work Subbanna Bedi 2nd Cross		1	100.00	4.00	0.15	60.00		
	Interrior 1st Cross R/S		1	85.00	3.50	0.15	44.63		
	Interrior 1st Cross L/S		1	38.00	3.50	0.10	13.30		
	Interrior 2nd Cross R/S		1	56.00	3.50	0.15	29.40		
	Interrior 2nd Cross L/S		1	42.00	3.55	0.10	14.91		
	Interrior 3nd Cross L/S		1	42.00	3.60	0.10	15.12		
							208.23	3884.76	**808924.00**
	Basic Rate	3597.00							
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2012-13**	Sqm							
	For CC Drain 2nd Cross RHS		4	111.00		0.75	333.00		
	LHS		4	111.00		0.75	333.00		
			1	111.00	0.60		66.60		
			1	111.00	0.60		66.60		
							787.20	244.08	**192140.00**
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13/ ITem No. 4.11 PWD SR - 2012-13**	Cum							
	For CC Drain Bottom Concrete 2nd Cross RHS		1	111.00	0.90	0.15	14.99		
	LHS		1	111.00	0.90	0.15	14.99		
	For CC Drain Side Walls 2nd Cross RHS		2	111.00	0.15	0.60	19.98		
	LHS		2	111.00	0.15	0.60	19.98		
	For CC Drain Covering Slab 2nd Cross RHS		1	111.00	0.90	0.10	9.99		
	LHS		1	111.00	0.90	0.10	9.99		
	Existing Drain Covering Slab		2	220.00	0.90	0.10	39.60		
							129.42	5239.08	**678042.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
5	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45 PWD SR 2012-13**	Qntl							
			0.60	129.42			**77.65**	7835.40	**608434.00**
	Basic Rate	7255.00							
	Area Weightage 8%	580.40							
	Total	**7835.40**							
6	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 248 Item No. 31.3 PWD SR 2012-13**	M							
			10	4.00			40.00		
			6	3.50			21.00		
			5	3.50			17.50		
			5	3.50			17.50		
			5	3.50			17.50		
							113.50	132.84	**15077.00**
	Basic Rate	123.00							
	Area Weightage @ 8%	9.84							
	Total	**132.84**							
7	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2012-13**	Cum							
	For Road Work Subbanna Bedi 2nd Cross		1	100.00	4.00	0.10	40.00		
	Interrior 1st Cross R/S		1	85.00	3.50	0.10	29.75		
	Interrior 1st Cross L/S		1	38.00	3.50	0.10	13.30		
	Interrior 2nd Cross R/S		1	56.00	3.50	0.10	19.60		
	Interrior 2nd Cross L/S		1	19.00	3.55	0.10	6.75		
							109.30	4937.76	**539697.00**
	Basic Rate	4572.00							
	Area Weightage @ 8%	365.76							
	Total	**4937.76**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
8	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **187 / Item No. 22.7/ PWD SR 2012-13**	Sqm							
	2nd Cross		1	100	4.00		400.00		
	Interrior 1st Cross R/S		1	85	3.50		199.50		
	Interrior 1st Cross L/S		1	38	3.50		164.50		
	Interrior 2nd Cross R/S		1	56	3.50		178.50		
	Interrior 2nd Cross L/S		2	42	3.50		150.50		
							1093.00	86.40	**94435.00**
	Basic Rate	80.00							
	Area Weightage @ 8%	6.40							
	Total	**86.40**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**409.95**	72.71	**29806.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Miscellaneous and other Charges	L/S							**239.00**
								Total	**3000000.00**

(Rs. Thirty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 Mayor Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

13/2/2013
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 30 Lakhs

Rupees Thirty Lakhs only

Under Mayor Grants P0190

Registered as EE ( ) No 3 9

Subject to conditions contained in enclosed memo EE(Y) No 958 /9/2012-13

Dt 20/2/2013 Estimate A/Sanctioned JC(Yel) AIA No 958/2012-13

dated 20/2/2013 Rs 30 Lakhs

20/2/13

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Technical Sanction for Rs. 30.00 lakhs

Thirty lakhs only

under mayor Grants P-0190

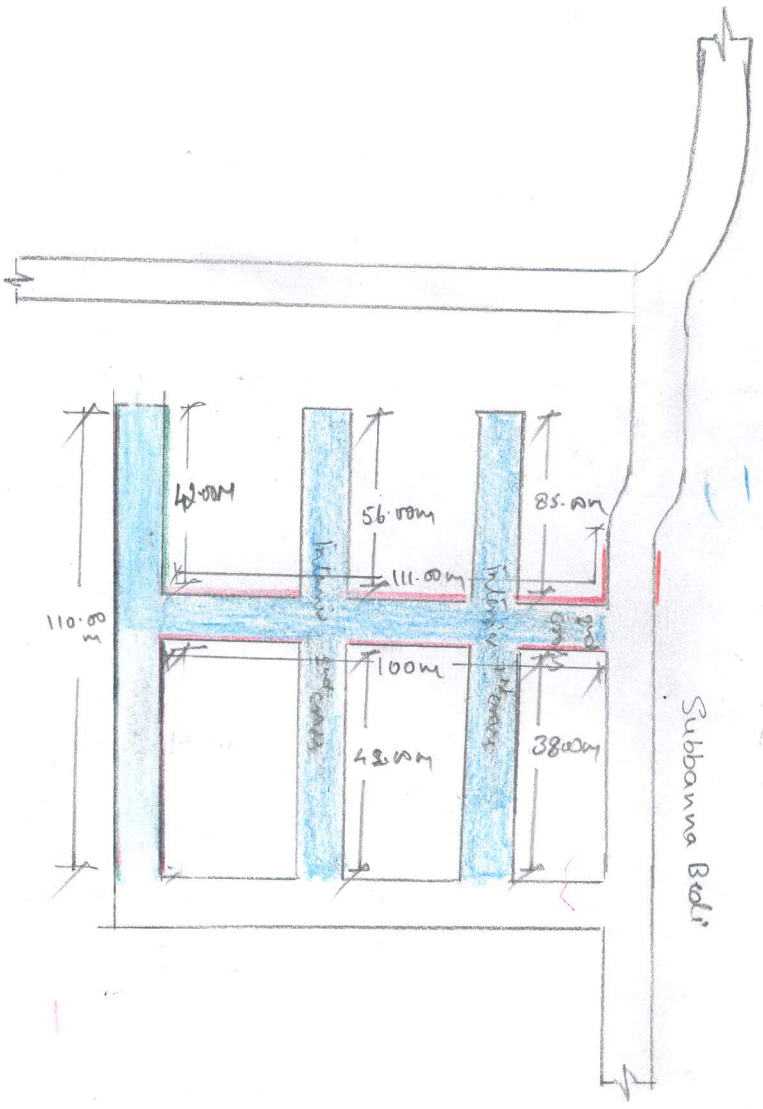
registered as EE No: 135 /..... Subject to conditions contained enclosed memo.

No: 135/12-13 /..... Dr. 4/3/13

AE/JE

EE (BTP. Div.)

Name of work :- Construction of Cement Concrete Drain at R.R. School Main Road & Coal Road in Ward no: 10, (Doddabommasandra), Vidyaranyapura Sub Division.



CC Road

CC Drain

Existing Drain covering Slab

Sedlow
AE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಬೆಂ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-97.